

**Safety Data Sheet**

Regulation EC No 1907/2006 Art.31

**Productname :** Ringfeder Coupling Oil  
**Ref.Nr.:** BDS001136\_3\_20170629 (EN)  
**Creationdate :** 29.06.17 Version : 3.0  
**Replaces:** BDS001136\_20130806

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**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1. Product identifier**

Ringfeder Coupling Oil  
Aerosol

**1.2. Relevant identified uses of the substance or mixture and uses advised against**

Lubricants

**1.3. Details of the supplier of the safety data sheet**

**Company:** VBG GROUP TRUCK EQUIPMENT AB  
Box 1216  
SE-462 28 VÄNERSBORG  
Tel: +46 (0) 521-27 77 00 (Office time)  
[www.ringfeder.de](http://www.ringfeder.de)  
[chemical.vbgte@vbggroup.com](mailto:chemical.vbgte@vbggroup.com)

**In case of emergency:** + 44 1925 23 41 11 (Office time)

Sales company		Tel
VBG GROUP SALES A/S, DENMARK	Industribuen 20-22, 5592 Ejby	+45 64 46 19 19
VBG GROUP SALES AS, NORWAY	Karihaugveien 102, 1086 Oslo	+46 23 14 16 60
VBG GROUP SALES LIMITED, GREAT BRITAIN	Unit 9, Willow Court West Quay Road, Winwick Quay Warrington, Cheshire WA2 8UF	+44 1925 23 41 11
VBG GROUP TRUCK EQUIPMENT GMBH, GERMANY	Girmesgath 5, 47803 Krefeld	+49 (0)2151-835-0
ONSPOT S.A.R.L, FRANCE	14 Route de Sarrebruck 57645 Montoy-Flanville	+33 387 763 080
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VBG GROUP TRUCK EQUIPMENT NV, NETHERLANDS	Alaertslaan 12, 5801 DC Venray	+31 478 514 143

**SECTION 2: Hazards identification****2.1. Classification of the substance or mixture****Classification according to Regulation (EC) No 1272/2008**

**Physical:** Aerosols, category 1  
Extremely flammable aerosol.  
Pressurised container: May burst if heated.

Classification is based on test data.

**Health:** Not classified

Classification based on calculation method.

**Environment:** Not classified

Classification based on calculation method.

## 2.2. Label elements

### Labelling according to Regulation (EC) No 1272/2008

Hazard pictogram(s):



<b>Signal word:</b>	Danger
<b>Hazard statement(s):</b>	H222 : Extremely flammable aerosol. H229 : Pressurised container: May burst if heated.
<b>Precautionary statement(s):</b>	P102 : Keep out of reach of children. P210 : Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P211 : Do not spray on an open flame or other ignition source. P251 : Do not pierce or burn, even after use. P410/412 : Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F. P501-2 : Dispose of contents/container to an authorised waste collection point.

## 2.3. Other hazards

No information available

## SECTION 3: Composition/information on ingredients

### 3.1. Substances

Not applicable.

### 3.2. Mixtures

Hazardous ingredient	Registration number	CAS-nr.	EC-nr	w/w %	Hazard Class and Category	Hazard statement	Notes
mineral oil (IP 346 DMSO extract < 3%)	-	-	-	30-60	-	-	B
Hydrocarbons, C3-4-rich, petroleum distillate Petroleumgas (1,3-butadiene < 0.1%)	01-2119485926-20	68512-91-4	270-990-9	10-30	Press. Gas, Flam. Gas 1	H280, H220	K, G
Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, < 2% aromatics	01-2119456620-43	-	(926-141-6)	10-30	Asp. Tox. 1	H304	B, Q
polysulfides, di-tert-dodecyl	01-2119540516-41	68425-15-0	270-335-7	1-5	Aquatic Chronic 4	H413	

#### Explanation notes

B : substance with national established workplace exposure limit

G : exempted from the obligation to register in accordance with art.2(7) of REACH Regulation No 1907/2006

K : not classified as carcinogen, less than 0.1% w/w 1,3-butadiene (EINECS-nr. 203-450-8)

Q : The CAS-no is only an indicative identifier to be used outside the EU for global inventory entries.

(\* Explanation phrases : see chapter 16)

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

<b>Contact with eyes :</b>	If substance has got into eyes, immediately wash out with plenty of water If eye irritation persists: Get medical advice/attention.
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<b>Contact with skin :</b>	Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention.
<b>Inhalation :</b>	IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.
<b>Ingestion :</b>	If swallowed do not induce vomiting because of risk of aspiration into the lungs. If aspiration is suspected obtain immediate medical attention

#### 4.2. Most important symptoms and effects, both acute and delayed

<b>Inhalation :</b>	Excessive inhalation of solvent vapours may give rise to nausea, headaches and dizziness
<b>Ingestion :</b>	After vomiting of swallowed product aspiration into lungs is likely. Solvents may induce chemical pneumonia. Symptoms : sore throat, abdominal pain, nausea, vomiting
<b>Skin contact :</b>	May cause irritation. Symptoms : redness and pain
<b>Eye contact :</b>	May cause irritation. Symptoms : redness and pain

#### 4.3. Indication of any immediate medical attention and special treatment needed

<b>General Advice :</b>	If you feel unwell, seek medical advice (show the label where possible) If symptoms persist always call a doctor
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### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

foam, carbon dioxide or dry agent  
Do not use water jet extinguishing media, due to the risk of spreading fire.

#### 5.2. Special hazards arising from the substance or mixture

Aerosols may explode if heated above 50°C  
Forms hazardous decomposition products  
CO, CO<sub>2</sub>

#### 5.3. Advice for firefighters

Keep container(s) exposed to fire cool, by spraying with water  
In case of fire, do not breathe fumes

### SECTION 6: Accidental release measures

#### 6.1. Personal precautions, protective equipment and emergency procedures

Shut off all ignition sources  
Ensure adequate ventilation  
Wear suitable protective clothing and gloves.

## 6.2. Environmental precautions

Do not allow to enter public sewers and watercourses  
If polluted water reaches drainage systems or water courses, immediately inform appropriate authorities

## 6.3. Methods and material for containment and cleaning up

Absorb spillage in suitable inert material

## 6.4. Reference to other sections

For further information see section 8

# SECTION 7: Handling and storage

## 7.1. Precautions for safe handling

Keep away from heat and sources of ignition  
Take precautionary measures against static discharges  
Equipment should be earthed  
Use explosion-proof electrical/ventilating/lighting/.../equipment.  
Use only non-sparking tools.  
Do not breathe aerosols or vapours.  
Ensure adequate ventilation  
Avoid contact with skin and eyes.  
Wash thoroughly after use  
Wear protective gloves/protective clothing/eye protection/face protection.

## 7.2. Conditions for safe storage, including any incompatibilities

Pressurized container : protect from sunlight and do not expose to temperatures exceeding 50°C.  
Keep out of reach of children.

## 7.3. Specific end use(s)

Lubricants

# SECTION 8: Exposure controls/personal protection

## 8.1. Control parameters

### Exposure limits :

No information available

## 8.2. Exposure controls

<b>Control procedures :</b>	Ensure adequate ventilation Keep away from heat and sources of ignition
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<b>Personal protection :</b>	Take precautionary measures against static discharges Take precautions to avoid contact with skin and eyes when handling the product. It is good practice to wear gloves and to provide adequate ventilation whenever using the product. In all cases handle and use the product in accordance with good industrial hygiene practices.
<b>inhalation :</b>	In case of insufficient ventilation, wear suitable respiratory equipment.
recommended respiratory protection:	Air purifying respirator equipped with organic gas/vapor cartridge (type A)
<b>hands and skin :</b>	Depending on amount and duration of use and the risk of contact with the product the gloves manufacturer can assist you in the selection of the right glove material and breakthrough time.
Recommended gloves:	Nitrile
<b>eyes :</b>	Wear safety eyewear according to EN 166.
<b>Environmental protection:</b>	Avoid release to the environment. Collect spillage.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

(for aerosols data for the product without propellant)

<b>Apperance : physical state :</b>	Liquid under pressure.
<b>colour :</b>	Amber.
<b>odour :</b>	Characteristic odor.
<b>pH :</b>	Not available.
<b>Boiling point/range :</b>	Not available.
<b>Flash point :</b>	< 0 °C (Closed Cup)
<b>Evaporation rate :</b>	Not available.
<b>Explosion limits : upper limit :</b>	Not available.
<b>lower limit :</b>	Not available.
<b>Vapour pressure :</b>	Not available.
<b>Relative density :</b>	0.823
<b>Solubility in water :</b>	Insoluble in water
<b>Auto-ignition :</b>	> 200 °C
<b>Viscosity :</b>	6.5 - 7 mPa.s (@ 20°C).

### 9.2. Other information

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

No hazardous reactions known if used for its intended purpose

### 10.2. Chemical stability

Stable

### 10.3. Possibility of hazardous reactions

No hazardous reactions known if used for its intended purpose

#### 10.4. Conditions to avoid

Avoid overheating

#### 10.5. Incompatible materials

Strong oxidising agent

#### 10.6. Hazardous decomposition products

CO,CO<sub>2</sub>

### SECTION 11: Toxicological information

#### 11.1. Information on toxicological effects

acute toxicity:	based on available data the classification criteria are not met
skin corrosion/irritation:	based on available data the classification criteria are not met
serious eye damage/irritation:	based on available data the classification criteria are not met
respiratory or skin sensitisation:	based on available data the classification criteria are not met
germ cell mutagenicity:	based on available data the classification criteria are not met
carcinogenicity:	based on available data the classification criteria are not met
toxicity for reproduction:	based on available data the classification criteria are not met
STOT-single exposure:	based on available data the classification criteria are not met
STOT repeated exposure:	based on available data the classification criteria are not met
aspiration hazard:	based on available data the classification criteria are not met

#### Information on likely routes of exposure:

Inhalation :	Inhalation of solvent vapours may give rise to nausea, headaches and dizziness
Ingestion :	After vomiting of swallowed product aspiration into lungs is likely. Solvents may induce chemical pneumonia.
Skin contact :	Prolonged skin contact will result in defatting of the skin, leading to irritation, and in some cases, dermatitis Repeated exposure may cause skin dryness or cracking.
Eye contact :	May cause irritation.

#### Toxicological data :

Hazardous ingredient	CAS-nr.	method	
Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, < 2% aromatics	-	LD50 oral rat	> 5000 mg/kg
		LC50 inhal.rat	>5000 mg/kg
		LD50 derm.rabit	> 5000 mg/kg

### SECTION 12: Ecological information

**12.1. Toxicity**

Not classified

**Ecotoxicological data:**

Hazardous ingredient	CAS-nr.	method	
Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, < 2% aromatics	-	IC50 algae	1000 mg/l
		LC50 fish	1000 mg/l
		EC50 daphnia	1000 mg/l

**12.2. Persistence and degradability**

No experimental data available

**12.3. Bioaccumulative potential**

No experimental data available

**12.4. Mobility in soil**

Insoluble in water

**12.5. Results of PBT and vPvB assessment**

No information available

**12.6. Other adverse effects**

No experimental data available

**SECTION 13: Disposal considerations****13.1. Waste treatment methods**

<b>Product :</b>	This material and its container must be disposed of in a safe way. Do not discharge into drains or the environment, dispose to an authorised waste collection point.
<b>National regulations :</b>	Disposal should be in accordance with local, state or national legislation

**SECTION 14: Transport information****14.1. UN number**

UN-number : 1950

**14.2. UN proper shipping name**



Proper shipping name: AEROSOLS

#### 14.3. Transport hazard class(es)

Class: 2.1  
ADR/RID - Classification code: 5F

#### 14.4. Packing group

Packing group: Not applicable.

#### 14.5. Environmental hazards

ADR/RID - Environmentally  
hazardous: No  
IMDG - Marine pollutant: No  
IATA/ICAO - Environmentally  
hazardous: No

#### 14.6. Special precautions for user

ADR/RID - Tunnelcode: (D)  
IMDG - Ems: F-D, S-U  
IATA/ICAO - PAX: 203  
IATA/ICAO - CAO: 203

#### 14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

Not applicable.

### SECTION 15: Regulatory information

#### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

The Safety Data Sheet is compiled according to the current European requirements.  
Regulation (EC) No 1907/2006 (REACH)  
Regulation (EC) No 1272/2008 (CLP)  
Dir. 2013/10/EU, 2008/47/EC amendment of the aerosol dispenser directive 75/324/EEC.

#### 15.2. Chemical safety assessment

No information available

### SECTION 16: Other information

\*Explanation hazard statements: - : -  
H220 : Extremely flammable gas.  
H280 : Contains gas under pressure; may explode if heated.  
H304 : May be fatal if swallowed and enters airways.



REVISIONS IN CHAPTRE :  
acronyms and synonyms:

H413 : May cause long lasting harmful effects to aquatic life.

8.2. Exposure controls

TWA = time weight average

STEL = short time exposure limit

VOC = volatile organic compounds

PBT = persistant bioaccumulative toxic

vPvB = very persitant very bioaccumulative

This product should be stored, handled and used in accordance with good industrial hygiene practices and in conformity with any legal regulation.

The information contained herewith is based on the present state of our knowledge and is intended to describe our products from the point of view of safety requirements. It does not guarantee any specific properties.

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